

TGACATGGCAGAAGATTAAAGTCTGTCTGGACAGTGTCTCATGCTGTAACTCTCAACATTTCAGGAGGCCAA  
GGTAGGAGGATCACTTGAGCTCACGAGTTCAAGACCAGCCTGGGCAACACAGTGAGACCTTGTCTTCTACT  
AAAAATTTAAAAAGTAGTGGGTGCACACCTGTAGTCCCAGCTACTAGGGAGGCTGAGATGGGAGGGTGC  
TGGAACCCAGGAGGTGGAAGCTGCAGGGACTGTGCCACTGCACTCATCTCGGCAATAGAGCAAGGCCCT  
GTCTCTCAAAAAAAAAAAAAAGAAAAGAAAAGAAAAGTCTGGGTGAGCCCTGGCACCTCCCTTCTTACT  
TTCACTGATTCTCTGAACCTTCCTGTCTCGCTGTAAAGTAGATTGTATGAGGACTCCATGAGGTCATC  
CACTTCAAGTCCTTGGCATAGGATAATTACTCAAAGGTGATGACAATGGCGCAGGGAGGGATGGTGACT  
TGCCTGGAGATGCACAGCACCCTCTCTCCATACTCGGTCATTACACCATCATTGATTACACAGGCACC  
CACTCCGTGTCCAGCAGGACTCTGGGGACCCCAAATGGACACTACCATGGAAGCTGACCTGGGTGCCACT  
GGCCACAGGCCCCGCACAGAGCTTGATGATGAGGACTCTACCCCCAAGGTGGCTGGGACACGGTCTTCC  
TGGTGGCCCTGCTGCTCCTTGGGCTGCCAGCCAATGGGTTGATGGCGTGGCTGGCCGGCTCCCAGGCCCG  
GCATGGAGCTGGCACGCGTCTGGCGCTGCTCCTGCTCAGCCTGGCCCTCTCTGACTTCTTGTTCTTGGCA  
GCAGCGCCTTCCAGATCCTAGAGATCCGGCATGGGGACACTGGCCGCTGGGGACAGCTGCCTGCCGCT  
TCTACTACTTCTATGGGGCGTGTCTACTCTCTCCGGCTCTTCTGCTGGCCGCCCTCAGCCTCGACCG  
CTGCCTGCTGGCGCTGTGCCACACTGGTACCCTGGGCACCGCCAGTCCGCCTGCCCTCTGGGTCTGC  
GCCGGTGTCTGGGTGCTGGCCACACTCTTCAGCGTGCCCTGGCTGGTCTTCCCCGAGGCTGCCGTCTGGT  
GGTACGACCTGGTCATCTGCCCTGGACTTCTGGGACAGCGAGGAGCTGTGCTGAGGATGCTGGAGGTCCT  
GGGGGGCTTCTGCTTCTCTCTGCTGCTCGTCTGCCACGTGCTCACCCAGGCCACAGCCTGTGCGACC  
TGCCACCGCCAACAGCAGCCCGCAGCCTGCCGGGGCTTCGCCCGTGTGGCCAGGACCATCTGTGCAGCCT  
ATGTGGTCTGAGGCTGCCCTACCAGCTGGCCCAGCTGCTCTACCTGGCCTTCTGTGGGACGTCTACTC  
TGGCTACCTGCTCTGGGAGGCCCTGGTCTACTCCGACTACCTGATCCTACTCAACAGCTGCCTCAGCCCC  
TTCTCTGCTCATGGCCAGTGCCGACCTCCGGACCTTGCTGCGCTCCGTGCTCTCGTCTTTCGCGGCAG  
CTCTCTGCGAGGAGCGCCGGGCAGCTTCACGCCCAGTACAGCCACAGACCCAGCTAGATTCTGAGGGTCC  
AACTCTGCCAGAGCCGATGGCAGAGGCCAGTCACAGATGGATCCTGTGGCCAGCCTCAGGTGAACCCC  
ACACTCCAGCCACGATCGGATCCCACAGCTCAGCCACAGCTGAACCCCTACGGCCAGCCACAGTCGGATC  
CCACAGCCAGCCACAGCTGAACCTCATGGCCCAGCCACAGTCAGATTCTGTGGCCAGCCACAGGCAGA  
CACTAACGTCCAGACCCCTGCACCTGCTGCCAGTTCTGTGCCAGTCCCTGTGATGAAGCTTCCCCAAC  
CCATCTCTGCATCTTACCCAGGGGCCCTTGAGGACCCAGCCACACCTCTGCTCTGAAGGAGAAAGCC  
CCAGCAGCACCCCGCCAGAGGCGGGCCCGGGCGCAGGCCCCACGTGAAGGTCCAGGAACACGCAGGCCCA  
CCAGAGCAGTGAAAGAGCCCAGGGCAGACAGAGGAACCAGCCAGTCAGACAGGTGGGGAGCCGCGACAG  
CTTTGTCTTAAAAACCTGCTGAGTCCGTCAGGCCTGGAAGGAGGACTTGAGGGAGGGGAAACAATCCA  
GCCAGAAGTCTCAGGCAGTTCCATGTCAGCGACCCCTGCTCCCGGCCATCAGCCTTTTCTGTGGTTGCTC  
CCAAACACACACAGTCGCCCCGACAGCCCCCAAACCGCAGCTAATGGCATCTTGCGGGGT

**FIG. 2**

MDTTMEADLGATGHRPRTELDDEDSYPQGGWDTVFLVALLLLGLPANGLMAWLAGSQARHGAGTRLALLL  
LSLALSDFLFLAAAAFQILEIRHGGHWPLGTAACRFYYFLWGVSYSSGLFLLAALSLDRCLLALCPHWYP  
GHRPVRLPLWVCAGVWVLATLFSVPWLVFPEAAVWWYDLVICLDFWDSEELSLRMLEVLGGFLPFLLLLV  
CHVLTQATACRTCHRQQQPAACRGFARVARTTILSAYVVLRLPYQLAQLLYLAFLWDVYSGYLLWEALVYS  
DYLILLNSCLSPFLCLMASADLRTLRSVLSSFAAALCEERPGSFTPTPEPQTQLDSEGPTLPEPMAEAQS  
QMDPVAQPQVNPTLQPRSDPTAQPOLNPTAQPSDPTAQPOLNLMAQPQSDSVAQPQADTNVQTPAPAAS  
SVSPCDEASPTPSSHPTPGALEDPATPPASEGESPSSTPPEAAPGAGPT